

TO LIGHTING FIXTURE #10 AWG GROUND WIRE INLINE WATERPROOF FUSEHOLDERS BUSSMAN TYPE "HEB" OR GOULD TYPE "GEB" WITH 10A TYPE "KTK" #10 AWG BUSSMAN FUSES USE BURNDY CONNECTOR USE BURNDY CONNECTOR *2 AWG-BUSHING-*2 AWG GROUND WIRE (TYP.) FROM GROUND FIELD 1 3" PVC CONDUIT -1 ½" PVC CONDUIT GROUND LUG AT TO ADDITIONAL POLES AS REQUIRED BASE OF POLE GROUND ROD ELECTRICAL CONNECTIONS INSIDE POLE BASE

BRIDGE STRUCT.__ VARTES-(SEE NOTE 3) DEFLECTION FITTING 8' EXP'N. FITTING (SEE NOTE 3) (SEE NOTE 1) METALLIC TO NON-METALLIC CONDUIT COUPLING -INSULATING BUSHING PVC CONDUIT SIZE AS PVC CONDUIT SIZE AS INDICATED ON PLANS INDICATED ON PLANS METALLIC TO NON-METALLIC CONNECTING EXP'N. CONDUIT COUPLING NIPPLE - 8"

CONDUIT EXPANSION/

NOTES:

- 1. THE BARREL OF THE FITTING WILL BE FULLY EMBEDDED IN THE CONCRETE OF ONE SIDE OF THE EXPANSION JOINT.
- 2. CONDUIT BENDS AND RADII WILL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- 3. A CAVITY OPENING, IF REQUIRED, MUST BE A 3" LARGER DIAMETER THAN THE DEFLECTION SLEEVE DIAMETER AND A MAXIMUM DEPTH OF HALF OF THE DEFLECTION SLEEVE LENGTH. THE DEFLECTION FITTING WILL BE CENTERED IN THE OPENING AND EMBEDDED IN THE CONCRETE ONLY UP TO THE DEFLECTION FITTING CENTER.
- 4. EXPANSION / DEFLECTION COUPLING SHALL ACCOMODATE AND EXPANSION RANGE OF 10.4"

EJM ENGINEERING, INC. 417 South Wells Street Suite 800 Chicago, Illinois 60607

CONTRACT NO. 83869 COUNTY TOTAL SHEET SHEETS NO.

154 149

RTE. SECTION

STA.

1441 00-00059-00-BR KANE

TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ILLINOIS DEPARTMENT OF TRANSPORTATION WILSON STREET FOUNDATION AND CONDUIT DETAILS SCALE: 1"=20' DRAWN BY: JDM DATE: 07/28/06 CHECKED BY: RS

DATE *FILEL* *SCALE* *USER* DATE NAME SCALE NAME PLOT FILE PLOT USER

MOUNTED POLES. SEE ARCHITECTURAL PLANS FOR FOUNDATIONS FOR POLES MOUNTED ON THE BRIDGE OR RETAINING